

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Takashi FUJITA et al.  
Title: HEAT EXCHANGER  
Appl. No.: Unassigned  
Filing Date: 11/26/2003  
Examiner: Unassigned  
Art Unit: Unassigned

**UTILITY PATENT APPLICATION**  
**TRANSMITTAL**

Mail Stop PATENT APPLICATION  
Commissioner for Patents  
PO Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the nonprovisional utility patent application of:

Takashi FUJITA  
Yoshihiro SASAKI  
Torahide TAKAHASHI

Enclosed are:

- [ X ] Specification, Claim(s), and Abstract (21 pages).
- [ X ] Informal drawings (9 sheets, Figures 1-13).
- [ X ] Application Data Sheet (37 CFR 1.76).



The filing fee is calculated below:

	Claims as Filed		Included in Basic Fee		Extra Claims		Rate		Fee Totals
Basic Fee							\$770.00	=	\$770.00
Total	13	-	20	= 0	x		\$18.00	=	\$0.00
Claims:									
Independents	1	-	3	= 0	x		\$86.00	=	\$0.00
:									
If any Multiple Dependent Claim(s) present:					+		\$290.00	=	\$0.00
Surcharge under 37 CFR 1.16(e) for late filing of					+		\$130.00	=	\$130.00
Executed Declaration and late payment of filing fee									
							SUBTOTAL:	=	\$900.00
[ ]							Small Entity Fees Apply (subtract ½ of above):	=	\$0.00
							TOTAL FILING FEE:	=	\$900.00

[ X ] The required filing fees are not enclosed but will be submitted in response to the Notice to File Missing Parts of Application.

Please direct all correspondence to the undersigned attorney or agent at the address indicated below.

Respectfully submitted,

Date: November 26, 2003

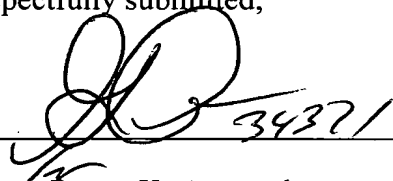
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